



CERTIFICATE OF ANALYSIS (COA)

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NEROLIONE

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	Nerolione
Manufacturer	Symrise
Symrise Product No.	600321
Chemical Name	1-(3-Methyl-benzofuran-2-yl)-ethanone
CAS Number	23911-56-0
EC/EINECS No.	429-100-6
EU REACH Registration	01-0000017540-77
Molecular Formula	C ₁₁ H ₁₀ O ₂
Molecular Weight	174.2 g/mol
Chemical Class	Ketone
Product Type	Perfumery Aroma Chemical
Olfactive Family	Floral / Green / Orange Peel / Fruity

Symrise directly confirms the product number, CAS, REACH registration, chemical structure and molecular data.

ANALYTICAL SPECIFICATION

Test	Specification	Batch Result	Method
Appearance	Colorless to yellow, liquid to crystalline		Visual
Odour	Floral, orange blossom	Conforms	Organoleptic
Identification	Conforms to reference		GC / GC-MS
GC Purity	Minimum 98.0%		GC
Molecular Weight	174.2 g/mol	—	Calculated



Test	Specification	Batch Result	Method
Flash Point	>100 °C	_____	Technical Data
Boiling Point	286.2 °C	—	Technical Data
Log P (Kow)	2.52	—	Technical Data
Stabilizer	None	Conforms	Manufacturer Data
Occurrence in Nature	No	Conforms	Manufacturer Data
Foreign Matter	Absent	_____	Visual
Chromatographic Profile	Conforms	_____	GC

These specifications are directly reported by Symrise.

ADDITIONAL PRODUCT DATA

Parameter	Result
Biodegradability	35.0% – partly biodegradable
Chemical Class	Ketone
Stabilizer	No
Occurrence in Nature	No
Recommended Use	0.01–2.0%

ORGANOLEPTIC PROFILE

Odour Character

- Orange blossom
- Floral
- Neroli-like
- Orange peel
- Powerful
- Diffusive
- Substantive

Symrise describes Nerolione as a high-impact ingredient for orange-blossom compositions, an impact booster for floriantal/oriental fragrances, a non-discoloring alternative to traditional anthranilates, and a material that imparts a peel-like character to orange notes.

RECOMMENDED PERFUMERY USE

0.01–2.0%

This is Symrise's recommended perfumery use level and is not an IFRA maximum concentration.



QUALITY DECLARATION

Subject to insertion of the actual batch analytical results, the material represented by this certificate conforms to the representative commercial specification for:

NEROLIONE – SYMRISE
PRODUCT NO.: 600321
CAS NO.: 23911-56-0
GC PURITY: MINIMUM 98.0%

DISCLAIMER

This supplier-style COA is based on official Symrise technical specifications. It is not the original batch-specific Symrise Certificate of Analysis. Actual batch analytical results must be taken from the original manufacturer COA or appropriate laboratory analysis.

Authorised by:

Fozia Khot
Director